

Annals of Medicine

Volume 26, 1994

Editor-in-Chief Leena Peltonen

Associate Editor Pekka Leinonen

INDEX

| Editorials |
|---|
| Mark A. Demitrack Chronic Fatigue Syndrome: A Disease of the Hypothalamic-Pituitary-Adrenal Axis? |
| Markus Färkkilä The Pathophysiology of Migraine |
| Review Articles |
| David N. Cooper, Lutz-Peter Berg, Vijay V. Kakkar and Jochen Reiss Ectopic (Illegitimate) Transcription: New Possibilities for the Analysis and Diagnosis of Human Genetic Disease |
| E. Ernst Fibrinogen: An Important Risk Factor for Atherothrombotic Diseases |
| Trends in Clinical Practice |
| Nicholas J. Wald, Anne Kennard and David Smith First Trimester Biochemical Screening for Down's Syndrome |
| Raili Kauppinen, Kaisa Timonen and Pertti Mustajoki Treatment of the Porphyrias |
| Trends in Molecular Medicine |
| Päivi Muona and Juha Peltonen Connective Tissue Metabolism in Diabetic Peripheral Nerves |

Original Articles Renate Seelig, M. Renz, Claudia Bottner and H. P. Seelig Hepatitis C Virus Infections in Dialysis Units: Prevalence of HCV-RNA and Antibodies to HCV 45 Sampo J. Piha and Helena Hämäläinen Effect of Coronary Bypass Grafting on Autonomic Cardiovascular Reflexes...... Special Section: International Programmes for Chronic Disease Prevention Guest Editor: Jussi K. Huttunen Ernst L. Wynder Revealing the Causes of Chronic Disease Epidemics: From Research to Prevention 57 Felix Gutzwiller Monitoring of Cardiovascular Disease and Risk Factor Trends: Experiences from the WHO/MONICA Project..... 61 Annette J. Dobson Relationship Between Risk Factor Trends and Disease Trends..... Peter Greenwald Experience from Clinical Trials in Cancer Prevention 73 Number 2 **Editorials** Seth Granberg Sonography of the Endometrium in the Post-menopausal Woman Clinical and Molecular Aspects of Age-associated Memory Impairment 85 **Review Articles** Juhana E. Idänpään-Heikkilä WHO Guidelines for Good Clinical Practice (GCP) for Trials on Pharmaceutical Products: Responsibilities of the Investigator 89 Seppo T. Nikkari and Alexander W. Clowes Restenosis after Vascular Reconstruction 95 **Trends in Clinical Practice** Vural Özdemir, Karen E. Bremner and Claudio A. Naranio Treatment of Alcohol Withdrawal Syndrome..... 101 Trends in Molecular Medicine Miikka Vikkula, Marjo Metsäranta and Leena Ala-Kokko Type II Collagen Mutations in Rare and Common Cartilage Diseases..... 107 Is Mastocytosis a Mast Cell Neoplasia or a Reactive Hyperplasia? Clues from the Study of Mast Cell Growth Factor 115 Michihiro Hide and Malcolm Greaves Failure to Tolerate High Affinity IgE Receptors: A Novel Mechanism in the Pathogenesis of Diseases that Result from Abnormal Cell Activation..... 117 **Original Articles** Jaana Laitinen, Matti Uusitupa, Irma Ahola and Onni Siitonen Metabolic and Dietary Determinants of Serum Lipids in Obese Patients with Recently Diagnosed Non-insulin-dependent Diabetes 119 Anita Gregor, Ewa Kostrzewska, Sylwia Tarczynska-Nosal and Hanna Stachurska Coexistence of Hereditary Coproporphyria with Acute Intermittent Porphyria Irma L. A. Ikäheimo, Anja S. Tiilikainen, Risto Hämeenkorpi and Sylvi H. Silvennoinen-Kassinen Different Distribution of T Cell Receptor β-Chain Haplotypes in Mixed

Connective Tissue Disease and Systemic Lupus Erythematosus

129

| Editorials | |
|--|-----|
| Joseph W. Basler Prostate Cancer Screening 1994 | 133 |
| Jaakko Kaprio Lessons from Twin Studies in Finland | 135 |
| Review Articles | |
| Sten Stemme and Göran K. Hansson Immune Mechanisms in Atherogenesis | 141 |
| Jaakko O. Salo and Sakari Rannikko The Role of Radical Surgery in the Treatment of Prostatic Cancer | 147 |
| Trends in Clinical Practice | |
| Ben Hurley Aerobic or Strength Training for Coronary Risk Factor Intervention? | 153 |
| Trends in Molecular Medicine | |
| Pirkko Henttu and Pirkko Vihko Prostate-specific Antigen and Human Glandular Kallikrein: Two Kallikreins of the Human Prostate | 157 |
| Leena Bruckner-Tuderman Epidermolysis Bullosa: Pathogenetic Pathways from Mutations to Symptoms | 165 |
| Special Section: Hereditary Cancer Editor: Heikki J. Järvinen | |
| Hansjakob Müller and Rodney J. Scott How Common is Hereditary Cancer? | 173 |
| Elizabeth L. Schubert, Marc F. Hansen and Louise C. Strong The Retinoblastoma Gene and its Significance | 177 |
| Hans F. A. Vasen Screening in Breast Cancer Families: Is it Useful? | 185 |
| Catharina Larsson and Magnus Nordenskjöld Family Screening in Multiple Endocrine Neoplasia Type 1 (MEN 1) | 191 |
| B. A. J. Ponder The Gene Causing Multiple Endocrine Neoplasia Type 2 (MEN 2) | 199 |
| Gloria M. Petersen Knowledge of the Adenomatous Polyposis Coli Gene and its Clinical Application | 205 |
| Maurizio Ponz de Leon Prevalence of Hereditary Nonpolyposis Colorectal Carcinoma (HNPCC) | 209 |
| Päivi T. Peltomäki Genetic Basis of Hereditary Nonpolyposis Colorectal Carcinoma (HNPCC) | 215 |
| Patrick M. Lynch Hereditary Nonpolyposis Colorectal Carcinoma (HNPCC): Clinical Application of Molecular Diagnostic Testing | 221 |

| Editorial | |
|---|-----|
| Anja Siitonen What Makes Escherichia coli Pathogenic? | 229 |
| Review Articles | |
| Pekka J. Tienari and Lyman C. Wynne Adoption Studies of Schizophrenia | 233 |
| Timo Partonen The Molecular Basis for Winter Depression | 239 |
| Trends in Clinical Practice | |
| Auli Toivanen Infection and Arthritis | 245 |
| Zeev Blumenfeld and Tamar Amit The Role of Growth Hormone in Ovulation Induction | 249 |
| Trends in Molecular Medicine | |
| Timo Paavonen Hormonal Regulation of Immune Responses | 255 |
| Pentti J. Tienari Multiple Sclerosis: Multiple Etiologies, Multiple Genes? | 259 |
| Original Article | |
| Sohvi Hörkkö, Kaisa Huttunen, Esa Läärä, Kari Kervinen and Y. Antero Kesäniemi Effects of Three Treatment Modes on Plasma Lipids and Lipoproteins in Uraemic Patients | 271 |
| Special Section: Clinical Allergology Guest Editor: Tari Haahtela | |
| Soili Mäkinen-Kiljunen Detection and Characterization of Atopic Allergens | 283 |
| H. Suomalainen and E. Isolauri New Concepts of Allergy to Cow's Milk | 289 |
| Kristiina Turjanmaa Allergy to Natural Rubber Latex: A Growing Problem | 297 |
| Timo Reunala, Henrikki Brummer-Korvenkontio and Timo Palosuo Are We Really Allergic to Mosquito Bites? | 301 |
| Ritva A. Sorva and Markku T. Turpeinen | 200 |

| Editorials | |
|---|-----|
| Kerstin Uvnäs-Moberg Oxytocin and Behaviour | 315 |
| Christian W. Hamm Troponin T: A New Marker for Myocardial Cell Injury | 319 |
| Steven Grinspoon AIDS: Endocrinologic and Metabolic Considerations | 321 |
| Review Articles | |
| Charles S. Lieber Hepatic and Metabolic Effects of Ethanol: Pathogenesis and Prevention | 325 |
| Marie L. Griffin, Stephen A. South, Vladimir I. Yankov, Robert A. Booth Jr, Christopher M. Asplin, Johannes D. Veldhuis and William S. Evans Insulin-dependent Diabetes Mellitus and Menstrual Dysfunction | 331 |
| Trends in Clinical Practice | |
| Mika J. Mäkelä, Olli Ruuskanen and Pearay L. Ogra Treatment of Respiratory Syncytial Virus Infections in Children | 341 |
| A. Stiehl Ursodeoxycholic Acid in the Treatment of Primary Sclerosing Cholangitis | 345 |
| Trends in Molecular Medicine | |
| William Cookson Atopy: A Complex Genetic Disease | 351 |
| Hannu Sariola, Kirsi Sainio, Urmas Arumäe and Mart Saarma Neurotrophins and Ciliary Neurotrophic Factor: Their Biology and Pathology | 355 |
| Elisabeth Hermann, Bernhard Fleischer and Karl-Hermann Meyer zum Büschenfelde Bacteria-specific Cytotoxic CD8 ⁺ T Cells: A Missing Link in the Pathogenesis of the HLA-B27-associated Spondylarthropathies | 365 |
| Original Article | |
| Markku Koskenvuo, Markku Partinen, Jaakko Kaprio, Heikki Vuorinen, Tiina Telakivi, Soili Kajaste, Tapani Salmi and Kauko Heikkilä Snoring and Cardiovascular Risk Factors | 371 |
| Brief Report | |
| Hannu J. Aronen, Erkki Svedström, Jukka Yrjänä and Sören Bondestam Compression Sonography in the Diagnosis of Deep Venous Thrombosis of the Leg | 377 |

| Editorials | |
|--|-----|
| Juhani Mäenpää and Michael W. DeGregorio Breast Cancer Chemoprevention: Is Tamoxifen a Rational Choice? | 381 |
| Stephen J. D. Brecker Myocardial Infarction in Patients with Normal Coronary Arteries | 383 |
| Steven E. Reis Oestrogens Attenuate Abnormal Coronary Vasoreactivity in Postmenopausal Women | 387 |
| Review Articles | |
| Allan D. Sniderman and Katherine Cianflone The Adipsin-ASP Pathway and Regulation of Adipocyte Function | 389 |
| Heikki Vanharanta The Intervertebral Disc: A Biologically Active Tissue Challenging Therapy | 395 |
| Trends in Clinical Practice | |
| Jarmo A. Salo The Role of Videothoracoscopy in the Diagnosis and Treatment of Chest Diseases | 401 |
| David I. Rosenthal and Eli Glatstein Clinical Applications of Photodynamic Therapy | 405 |
| Trends in Molecular Medicine | |
| Barbara Spellerberg and Elaine I. Tuomanen The Pathophysiology of Pneumococcal Meningitis | 411 |
| G. Michael Vincent Genetics and Molecular Biology of the Inherited Long QT Syndrome | 419 |
| Special Section: Diet and Chronic Disease Guest Editor: Antti Aro | |
| Antti Aro Diet and Chronic Disease: Selected Topics on Recent Advances | 427 |
| Geert van Poppel, Alwine Kardinaal, Hans Princen and Frans J. Kok Antioxidants and Coronary Heart Disease | 429 |
| Matti Rautalahti and Jussi Huttunen Antioxidants and Carcinogenesis | 435 |
| Edward Giovannucci and Walter C. Willett Dietary Factors and Risk of Colon Cancer | 443 |
| Pieter van 't Veer Diet and Breast Cancer: Trial and Error? | 453 |
| R. P. Mensink, E. H. M. Temme and G. Hornstra Dietary Saturated and <i>Trans</i> Fatty Acids and Lipoprotein Metabolism | 461 |
| Pirjo Pietinen Dietary Fat and Blood Pressure | 465 |
| Suvi M. Virtanen and Antti Aro Dietary Factors in the Astiology of Diebetes | 460 |

Author Index

| A | LIIOI | IIIUEX | |
|-------------------------------|-------|-------------------------------------|-----|
| Ahola Irma | 119 | Kostrzewska Ewa | 125 |
| Ala-Kokko Leena | 107 | Läärä Esa | 271 |
| Amit Tamar | 249 | Laitinen Jaana | 119 |
| Aro Antti427 | | Larsson Catharina | 191 |
| Aronen Hannu J | 377 | Lieber Charles S | 325 |
| Arumäe Urmas | 355 | Longley Jack | 115 |
| Asplin Christopher M | 331 | Lynch Patrick M | |
| Basler Joseph W | 133 | Mäenpää Juhani | 381 |
| Berg Lutz-Peter | 9 | Mäkelä Mika J | 341 |
| Blumenfeld Zeev | 249 | Mäkinen-Kiljunen Soili | 283 |
| Bondestam Sören | 377 | Mensink RP | |
| Booth Jr Robert A | 331 | Metsäranta Marjo | 107 |
| Bottner Claudia | 45 | Meyer zum Büschenfelde Karl-Hermann | 365 |
| Brecker Stephen JD | 383 | Müller Hansjakob | 173 |
| Bremner Karen E | 101 | Muona Päivi | 39 |
| Bruckner-Tuderman Leena | 165 | Mustajoki Pertti | 31 |
| Brummer-Korvenkontio Henrikki | 301 | Naranjo Claudio A | 101 |
| Cianflone Katherine | 389 | Nikkari Seppo T | 95 |
| Clowes Alexander W | 95 | Nordenskjöld Magnus | |
| Cookson William | 351 | Ogra Pearay L | |
| Cooper David N | 9 | Özdemir Vural | 101 |
| Coria Francisco | 85 | Paavonen Timo | |
| DeGregorio Michael W | 381 | Palosuo Timo | |
| Demitrack Mark A | 1 | Partinen Markku | |
| Dobson Annette J | 67 | Partonen Timo | |
| Ernst E | 15 | Peltomäki Päivi T | 215 |
| Evans William S | 331 | Peltonen Juha | 39 |
| Färkkilä Markus | 7 | Petersen Gloria M | |
| Fleischer Bernhard | 365 | Pietinen Pirjo | |
| Giovannucci Edward | 443 | Piha Sampo J. | 53 |
| Glatstein Eli | 405 | | |
| Granberg Seth | 81 | Ponder BAJ Ponz de Leon Maurizio | |
| Greaves Malcolm | 117 | Princen Hans | - |
| | | | |
| Greenwald Peter | 73 | Rannikko Sakari | |
| Gregor Anita | 125 | Rautalahti Matti | |
| Griffin Marie L | 331 | Reis Steven E | |
| Grinspoon Steven | 321 | Reiss Jochen | 9 |
| Gutzwiller Felix | 61 | Renz M | 45 |
| Hämäläinen Helena | 53 | Reunala Timo | |
| Hämeenkorpi Risto | 129 | Rosenthal David I | |
| Hamm Christian W | 319 | Ruuskanen Olli | |
| Hansen Marc F | 177 | Saarma Mart | |
| Hansson Göran K | 141 | Sainio Kirsi | - |
| Heikkilä Kauko | 371 | Salmi Tapani | |
| Henttu Pirkko | 157 | Salo Jaakko O | |
| Hermann Elisabeth | 365 | Salo Jarmo A | 401 |
| Hide Michihiro | 117 | Sariola Hannu | |
| Hörkkö Sohvi | 271 | Schubert Elizabeth L | |
| Hornstra G | 461 | Scott Rodney J | |
| Hurley Ben | 153 | Seelig HP | 45 |
| Huttunen Jussi | 435 | Seelig Renate | |
| Huttunen Kaisa | 271 | Siitonen Anja | 229 |
| Idänpään-Heikkilä Juhana E | 89 | Siitonen Onni | 119 |
| Ikäheimo Irma LA | 129 | Silvennoinen-Kassinen Sylvi H | 129 |
| Isolauri E | 289 | Smith David | |
| Kajaste Soili | 371 | Sniderman Allan D | 389 |
| Kakkar Vijay V | 9 | Sorva Ritva A | 309 |
| Kauppinen Raili | 31 | South Stephen A | |
| Kaprio Jaakko135 | | Spellerberg Barbara | |
| Kardinaal Alwine | | Stachurska Hanna | |
| Kennard Anne | 23 | Stemme Sten | |
| Kervinen Kari | | Stiehl A | |
| Kesäniemi Y Antero | | Strong Louise C | |
| | 429 | Suomalainen H | |
| Kok Frans J | 423 | Suullialallell H | |

| Tarczynska-Nosal Sylwia | 125 | van 't Veer Pieter | 453 |
|-------------------------|-----|---------------------|-----|
| Telakivi Tiina | 371 | Vasen Hans FA | 185 |
| Temme EHM | 461 | Veldhuis Johannes D | 331 |
| Tienari Pekka J | 233 | Vihko Pirkko | 157 |
| Tienari Pentti J | 259 | Vikkula Miikka | 107 |
| Tiilikainen Anja S | | | 419 |
| Timonen Kaisa | | Virtanen Suvi M | 469 |
| Toivanen Auli | | | |
| Tuomanen Elaine I | | Wald Nicholas J | |
| Turjanmaa Kristiina | 297 | | |
| Turpeinen Markku T | 309 | Willett Walter C | 443 |
| Uvnäs-Moberg Kerstin | 315 | Wynder Ernst L | 57 |
| Uusitupa Matti | | Wynne Lyman C | 233 |
| van Poppel Geert | | Yankov Vladimir I | 331 |
| Vanharanta Heikki | 395 | Vriänä Jukka | 377 |

